

# PATENT ABSTRACTS OF JAPAN

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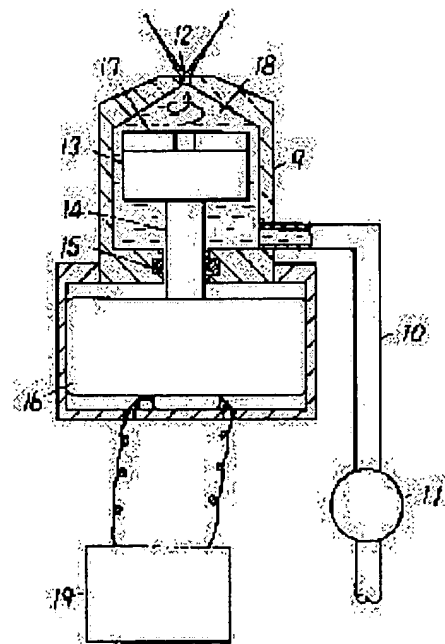
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## (54) ATOMIZING DEVICE

### (57)Abstract:

**PURPOSE:** To provide an atomizing device which has a wide variable range of the atomized amount and atomized liquid to ultra-fine particles.

**CONSTITUTION:** Liquid is supplied to a liquid nozzle 9 having a spray hole 12 by a pump 11. A rotor 13 installed inside the nozzle 9 is rotated by a motor 16. Therefore, when liquid is forcibly supplied to the liquid nozzle 9 by the pump 11 to rotate the rotor 13, the liquid is jetted from the spray hole 12 while swirling in a hollow reverse cone to drive and atomize the liquid film by the jet velocity and the relative velocity difference between the swirling velocity and the surrounding.



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